

LISTING OF THE CLAIMS

This listing of claims will replace the prior version of claims in the application.

CLAIMS

What is claimed is:

- 1 1. (Original) A swage mount for a recording head suspension comprising:
2 a flange;
3 a hub made of a base metal extending from the flange, the hub having at least one surface
4 protrusion;
5 at least an outer surface of the hub being plated with a first metal plating that has a
6 thickness ranging from two fifths of the height of the protrusion to twice the height of the
7 protrusion.
- 1 2. (Original) The swage mount of claim 1 wherein the surface roughness, Ra, of the
2 first metal plating is at least 5% of the thickness of the first metal plating.
- 1 3. (Original) The swage mount of claim 1 wherein the first metal plating is harder
2 than the base metal by at least 5 Vickers hardness numbers.
- 1 4. (Original) The swage mount of claim 1 comprising a second metal plating,
2 applied over the first metal plating.

1 5. (Original) The swage mount of claim 1 wherein the first metal plating has a
2 thickness in the range 0.01 to 9 microns.

1 6. (Original) The swage mount of claim 1 wherein the first metal plating has a
2 thickness in the range 0.2 to 20 microns.

1 7. (Original) The swage mount of claim 1 wherein the first metal plating has a
2 thickness in the range 0.01 to 4 microns.

1 8. (Original) The swage mount of claim 1 wherein the first metal plating has a
2 thickness in the range 0.2 to 10 microns.

1 9. (Original) The swage mount of claim 3 wherein the base metal comprises
2 stainless steel and the first metal plating comprises nickel.

1 10. (Original) The swage mount of claim 4 wherein the second metal plating is
2 harder and thinner than the first metal plating.

1 11. (Original) The swage mount of claim 4 wherein the second metal plating
2 comprises a material selected from the group consisting of rhodium, platinum, cadmium,
3 chromium, tungsten, and nickel.

1 12. (Withdrawn) A method of providing a metal layer on the boss of a swage mount
2 comprising:
3 activating the boss metal, and

4 subjecting the boss to a first metal plating bath,
5 wherein the step of subjecting is terminated after the metal layer achieves a thickness of
6 0.01 microns but before the metal layer achieves a thickness of 20 microns.

1 13. (Withdrawn) The method of claim 12 wherein the step of subjecting is
2 terminated after the metal layer achieves a thickness of 0.01 microns but before the metal layer
3 achieves a thickness of 9 microns.

1 14. (Withdrawn) The method of claim 12 wherein the step of subjecting is
2 terminated after the metal layer achieves a thickness of 0.2 microns but before the metal layer
3 achieves a thickness of 20 microns.

1 15. (Withdrawn) The method of claim 13 wherein the step of subjecting is
2 terminated after the metal layer achieves a thickness of 0.01 microns but before the metal layer
3 achieves a thickness of 4 microns.

1 16. (Withdrawn) The method of claim 14 wherein the step of subjecting is
2 terminated after the metal layer achieves a thickness of 0.2 microns but before the metal layer
3 achieves a thickness of 10 microns.

1 17. (Original) A swage mount for a recording head suspension comprising:
2 a flange;
3 a hub extending from the flange;
4 the hub having plating means for securing protrusions.

1 18. (Original) The swage mount of claim 17 wherein the plating means is a means
2 for securing chromium carbide protrusions.

1 19. (Original) The swage mount of claim 17 wherein the plating means is a means
2 for securing chromium nitride protrusions.

1 20. (Original) The swage mount of claim 17 wherein the plating means is a means
2 for securing embedded media protrusions.

1 21. (Original) A swage mount for a recording head suspension comprising:
2 a flange;
3 a hub extending from the flange;
4 the hub having plating means for securing material inclusions in the base metal.

1 22. (Original) A swage mount for a recording head suspension comprising:
2 a flange;
3 a hub extending from the flange;
4 the hub having plating means for covering protrusions.

1 23. (Original) The swage mount of claim 22 wherein the plating means is a means
2 for covering embedded media protrusions.

1 24. (Original) A swage mount for a recording head suspension comprising:
2 a flange;

3 a hub extending from the flange;
4 the hub having plating means for covering material inclusions in the base metal.

1 25. (Original) A swage mount for a recording head suspension in a disc drive
2 comprising:

3 a flange;
4 a hub extending from the flange;
5 the hub including plating means for reducing particulate contamination in the disc drive.

1 26. (Original) A swage mount for a recording head suspension comprising:

2 a flange;
3 a hub made of a base metal extending from the flange;
4 the hub including plating means for reducing corrosion of the base metal.

1 27. (Original) A swage mount for a recording head suspension comprising:

2 a flange;
3 a hub made of a base metal extending from the flange;
4 the hub including plating means for increasing retention torque.

1 27. A swage mount for a recording head suspension comprising:

2 a flange;
3 a hub made of a base metal extending from the flange;
4 the hub including plating means for increasing retention torque.